

Director of Directorate for Tokamak (TKM)

TKM-001

Reports to Line Manager:	Director of Department for ITER Project	Job Code:	TKM-001
Direct Employment:	Required	Grade:	DDG/D1-D2
Date Written:	March 2011	Date Revised:	March 2011

Purpose

To support the Director of Department for ITER Project and provide leadership to ensure the successful construction of ITER tokamak systems: Vacuum Vessel, SC coils, Cryostat and interface among them, etc. To manage scope, schedule, cost, risk and quality of all work related to tokamak systems and oversee interfaces to all other technical systems. To position ITER to be a facility and a research team with a leading, world-class fusion science program.

Major Duties/Responsibilities

- Supports the Director of Department for ITER Project (DIP) in all matters related to the tokamak systems;
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics;
- Manages all project relevant to scope, schedule, cost, risk and quality and regularly reports to the Director of DIP ;
- Provides effective leadership for heads of division and staff of the Directorate for Tokamak by ensuring managers and team members be motivated, and by constantly developing their skills and experience through close staff collaboration;
- Oversees the interfaces between the ITER Organization and the Domestic Agency Leaders related to tokamak systems;
- Executes the ITER construction with strong leadership for tokamak systems;
- Involves him/herself in the management of cost and schedule contingency;
- Enforces the project's QA program and risk mitigation related to the tokamak systems;
- Develops and implement programs to test and operate all systems;
- Manages the change control process and communicates changes to the Director of Department for ITER Project;
- Realizes integration with other technical interfaces;
- Shows strong commitment to the ITER safety program and enforces it through individual behaviour and in his/her team;

Qualifications Required

- **Education:**
 - Degree equivalent to PhD in tokamak physics and/or fusion technology or in relevant scientific and technological disciplines;

- ***Technical and Project experience:***
 - Outstanding expertise to build and operate magnetic fusion core systems and deep understanding of ITER tokamak integration;
 - Experience in effective scope, schedule, cost, risk and QA management and implementation;
 - Experience in project management and the use of modern management tools.
- ***People Management experience:***
 - A minimum of 10 years in a managerial position in scientific and technical projects.
- ***Social skills:***
 - Excellent communication and negotiation skills;
 - Ability to work effectively in a multi-cultural environment;
 - Ability to work in a team and to promote team work.
- ***Language requirements:***
 - Good working knowledge of spoken and written English is essential.
- ***Computer and IT skills:***
 - Skills consistent with managing a complex developmental project.

Work Direction and Interfaces

- Reports regularly to the Director of Department for ITER Project.
- Interfaces with all other directorates to support excellent integration.
- Implements and enforces ITER's construction with high QA program.
- Interfaces with the construction design team on building requirements.
- Maintains communication with other organizations related to the ITER collaboration and as well as to the fusion community.

Measures of Effectiveness

- Successfully manages the construction and integration activities for tokamak core systems.
- Successfully manages interface between TKM divisions and Domestic Agency Leaders.
- Successfully develops a cost effective installation and testing plan.
- Successfully supports the Director of Department for ITER Project in implementing the ITER technical scope.
- Successfully maintains effective communications with all Members delivering subsystems for the tokamak.